

## REMARKS

Claims 9-19 remain in this application. New claims 20-21 are added above, and claims 1-8 were previously canceled. Reconsideration of the application is requested.

The objection to the drawings set forth on pages 2-3 of the Office Action is addressed by way of the drawing amendments set forth above. As noted above, angles A<sub>F</sub> and A<sub>I</sub>, which are now referred to by name in paragraph 0018, are indicated on the replacement sheet, and a marked-up copy of that replacement sheet should not be necessary.

The claim amendments above are made following consideration of the comments provided by the Examiner in the discussion spanning pages 3-4 of the Office Action. It is respectfully submitted that all of the claims now in this application comply with the requirements of 35 U.S.C. § 112, second paragraph.

Independent claim 9 is rejected under 35 U.S.C. § 102(e), along with various dependent claims, as anticipated by U.S. Patent application publication no. 2006/0043110 to Miyauchi. Reconsideration is requested.

First, the Miyauchi recess 2d, identified by the Examiner as a bore bottom, is described as *spherical* in each of paragraph 0020-0022 and 0026 of the Miyauchi publication, while the Miyauchi nozzle body 3b, identified by the Examiner as having a nozzle seat, includes a *spherical* portion 3g as described in paragraph 0022. The Miyauchi recess 2d cannot properly be considered conical. Similarly, the Miyauchi spherical portion 3g cannot properly be considered conical. The Miyauchi nozzle device, therefore, does not include a nozzle carrier defining a nozzle carrier bore and a conical bore bottom, and at least one

exchangeable nozzle having a conical nozzle seat engageable against the conical bore bottom to seal the conical nozzle seat against the conical bore bottom as claim 9 above particularly defines.

Second, claim 9 above incorporates limitations reflecting that the conical bore bottom included angle and the corresponding conical nozzle seat flank angle differ in size. While the Examiner's comments set forth in the first full paragraph on page 5 of the Office Action are noted, there is in fact nothing in any of Figures 3A-3C of the Miyauchi publication or the description relating to the Figures to suggest the presence of any angle size difference as claim 9 above requires. It is respectfully submitted that the anticipation rejection based on the Miyauchi publication is not applicable to claim 9 as it appears above for reasons discussed.

Independent claim 9 is also rejected under 35 U.S.C. § 102(b), along with dependent claim 16, as anticipated by U.S. Patent 4,718,607 to Levine. Reconsideration is requested. Again, claim 9 above reflects that the conical bore bottom included angle and the corresponding conical nozzle seat flank angle differ in size. These features are neither disclosed nor suggest by the Levine patent disclosure, and the anticipation rejection based on the Levine patent is also inapplicable to claim 9 as it appears above.

It is respectfully submitted that the anticipation rejections are not applicable to claim 9 above for reasons discussed. Nothing noted by the Examiner suggests modifying either the Miyauchi nozzle device or the Levine spray orifice so as to meet the limitations discussed, moreover, and it is further

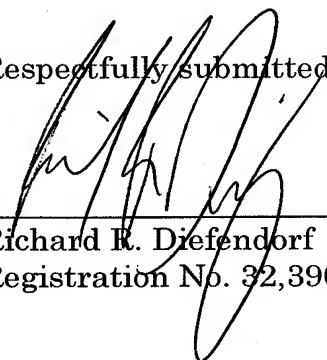
submitted that claim 9 above is patentable. Claims 10-19, which depend on claim 9, should be patentable as well.

New claims 20 and 21 are added to define the invention in terms that differ from those of the other claims discussed above. Claim 20, which is similar to original claim 1 but includes additional limitations relating to relative included and flank angle sizes, is also considered patentable over the prior art documents relied on. Claim 21 depends on claim 20 and is considered patentable as well.

This application should now be in allowable condition. If there are any questions regarding this Reply or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an extension of time sufficient to effect a timely response. Please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #095309.56861US).

Respectfully submitted,



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